



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
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No. 15] NEW DELHI, SATURDAY, APRIL 11, 1987 (CHAITRA 21, 1909)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 11th April 1987

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Calcutta-700 017.

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place where the appropriate office is situated.

## CORRIGENDA

The 6th March 1987

1. In the Gazette of India, Part III, Section 2 dated 27th December, 1986 under the heading 'Complete Specification Accepted' on page 820.

- (i) in respect of Patent Application No. 26/Bom/1984 for claim 1, Line 8, "Transistors (T-1 to T-6); 3-LED-1 10 LED-3); 2-Transformers" read "Transistors (T-1 to T-6); 3-LED'S (LED-1 to LED-3); 2-Transformers".
- (ii) in respect of Patent Application No. 55/Bom/1984 for claim 1 in Line 4, "2 to 5 Cms." read "2 to 5 Gms."

1. In the Gazette of India, Part III, Section 2 dated 27th December, 1986 under the heading "Applications for Patents filed in the Patent Office Branch at Todi Estate, IIIrd Floor, Sun Mill Compound, Lower Parel (W) Bombay-13" on page No. 816.

- (i) in respect of Patent Application No. 301/Bom/1986 in the title of invention for "FNDIVIDUALLY" read "INDIVIDUALLY".

2. In the Gazette of India, Part III, Section 2 dated 27th December, 1986 under the heading "Complete Specification Accepted" on page 821.

- (i) in respect of Patent No. of acceptance "158631" for Patent Application No. "258/Bom/1983" read "358/Bom/1983".
- (ii) in respect of Patent No. of Acceptance "158632" for Patent Application No. "259/Bom/1983" read "359/Bom/1983".

In the Gazette of India, Part III, Section 2 dated 12th January, 1985 under the heading "Complete Specification Accepted".

At page 54, Column 1 against No. 155240.

For Application No. 272/Bom/1980 filed Sept. 12, 1980. Complete left after Provisional Sept 11, 1981.

Read Application No. 272/Bom/1980 filed with Provisional Specification on Sept. 12, 1980 and application No. 273/Bom/1980 filed with Provisional specification on Sept. 12, 1980 was cognated and one Complete specification left on September 11, 1981.

## APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

214, ACHARYA JAGADISH BOSE ROAD  
CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

The 5th March 1987

- 171/Cal/87. Klockner CRA Technologie GmbH. A method for the melt reduction of iron ores.
- 172/Cal/87. Klockner CRA Technologie GmbH. A method for producing iron.
- 173/Cal/87. Protap Kumar Ghose. An improved device for operating and controlling multiple hydraulic equipments.
- 174/Cal/87. Microdot Inc. A composite seal assembly.
- 175/Cal/87. Isover Saint Gobain. Resin for a sizing composition, a process for its preparation and the sizing composition obtained, [Divisional date 16-11-1984].

176/Cal/87. James Franklin Angelo II. Device for the selective incineration or carbonization of waste materials.

177/Cal/87. Trutzschler GmbH & Co. Kg. The device for blending of the card sliver or spunbonded tissue at a carding machine carding engine or similar thing.

178/Cal/87. Trutzschler GmbH & Co. Kg. The Device at a carding machine, cleaning machine or similar things for the cotton fibres with at least one sorting knife co-ordinated with a roller.

179/Cal/87. Mytton's Limited. Railway Sleeper. (Convention date 11th March, 1986) Australia.

180/Cal/87. Westinghouse Electric Corporation. Improvements in or relating to a method of constructing a magnetic core.

181/Cal/87. VSR Engineering GmbH. Blowing device for elimination of compactions in bulk material storage silos.

The 9th March 1987

182/Cal/87. Jagannath Prasad Sinha. Power operated multipronged mattock cultivator.

183/Cal/87. Jagannath Prasad Sinha. A novel mechanism for power generation at rock bottom cost.

184/Cal/87. Phillips Petroleum Company. Preparation of block copolymer.

185/Cal/87. Phillips Petroleum Company. Process for preparing block copolymer.

186/Cal/87. OKI Electric Industry Co. Ltd. Equalizing circuit.

187/Cal/87. Georg Fischer Aktiengesellschaft. Process for the production of pearlitic cast iron.

188/Cal/87. Cegedur Societe De Transformation De L' Aluminium Pechiney. Apparatus for regulating the level of the line of contact of the free surface of the metal with the ingot, mould in a vertical casting operation.

189/Cal/87. Steelsworth Pvt. Ltd. Improvements in or relating to C. T. C. machines.

190/Cal/87. Timex Corporation. Small stepping motor driven watch.

191/Cal/87. Timex Corporation. Stepping motor and frame plate assembly for a wristwatch movement.

The 10th March 1987

192/Cal/87. Degussa Aktiengesellschaft. The use of substituted n-trichloromethyl thiodicarboximides in combination with N, N'-substituted bis-(2, 4-diamino-s-triazin-6-Y1)-oligosulfides in vulcanizable rubber mixtures and such rubber mixtures.

193/Cal/87. Degussa Aktiengesellschaft. The use of substituted n-trichloromethyl thiohydantoin in combination with bis-(2, 4-diamino-s-triazin-6-y1)-oligosulfides in vulcanizable rubber mixtures and such rubber mixtures.

194/Cal/87. Benke Instrument & Elektro AG. Protection means for a process analyzer system.

195/Cal/87. Siemens Aktiengesellschaft. A method of securing electronic components to a substrate.

196/Cal/87. R. J. Reynolds Tobacco Company. Pipe with replaceable cartridge.

197/Cal/87. Karel Havel. variable colour display device. (9th December 1986) Canada.

The 11th March 1987

- 198/Cal/87. Subhani Sayeed. Novel lifting and loading mechanism attachable to BFR/BRH wagon.
- 199/Cal/87. Degussa Aktiengesellschaft. N, N'-substituted bis (2, 4-diamino-s-Triazin-6-yl)-tetrasulfides and disproportionation products thereof, processes for their production and their use in vulcanizable rubber mixtures.
- 200/Cal/87. Vsesojuzny Nauchno-Issledovatel'skiy I Proektny Institut Aluminizirovaniy, Magnitovoi E Elektrodnoi Promyshlennosti. Process for producing aluminium-silicon alloy with content of silicon of 2—22% by mass.
- 201/Cal/87. Mitsui Toatsu Chemicals, Inc. Process for the production of highly concentrated phosphoric acid.
- 202/Cal/87. VSR Engineering GmbH, Scraper device for conveyor belts.
- 203/Cal/87. R. J. Reynolds Tobacco Company. Method for preparing carbon fuel for smoking articles and product produced thereby.
- 204/Cal/87. Injectall Limited. A wire injection obturator. (23-11-1982). [Divisional date 23rd November, 1983].

APPLICATION FOR PATENTS FILED AT THE  
PATENT OFFICE BRANCH, MUNICIPAL MARKET  
BUILDING, 3RD FLOOR, KAROL BAGH,  
NEW DELHI-110 005

The 19th January 1987

- 34/Del/87. Children's Hospital Research Foundation and Hemagen PFC. "Stable emulsions of highly fluorinated organic compounds".
- 35/Del/87. BP Chemicals Limited. "Treatment of catalyst particles". (Convention date 30th September, 1986, U.K.).

The 20th January 1987

- 36/Del/87. Council of Scientific and Industrial Research. "A process for preparation of chrome lignite for maintaining rheological properties of water based oil well drilling fluids in high temperature and high pressure oil well drilling".
- 37/Del/87. Krishan Gopal Khosla. "Improved integrated system of a screw compressor and means for cooling the oil fed thereto".
- 38/Del/87. Vapor Corporation. "Modulating pressure operated pilot relief valve".
- 39/Del/87. Laboratorios Del Dr. Esteve, S.A., "2-Benzimidazolylalkylthio (or-Sulfynil or-sulfonyl) derivatives, their preparation and their application as medicinal products".
- 40/Del/87. Kabushiki Kaisha Toshiba. "Contact forming material for a vacuum valve and a process therefor".

The 21st January 1987

- 41/Del/87. Steel Authority of India Ltd. Research and Development Centre for Iron and Steel. "A process for the production of sponge Iron or direct reduced Iron (DRI) from iron ore and coal".
- 42/Del/87. Kennecott Corporation. "Near net shape fused cast refractories and process for their manufacture by rapid melting/controlled rapid cooling".

43/Del/87. American petro Mart, Inc., "Stable ammonium polyphosphate liquid fertilizer from merchant grade phosphoric acid".

44/Del/87. Union Rheinische Braunkohlen Kraftstoff AG, "Improved process for the reprocessing of carbon containing wastes".

45/Del/87. Dresser U. K. Limited, "Variable intensity rapping". (Convention date 30th January, 1986, U. K.).

The 22nd January 1987

46/Del/87. A4GM Energetikai Gepgyarto Leanyvallalat, "Laminar heat shield".

47/Del/87. Rajiv Sarin. "A sealing Machine".

48/Del/87. Pramod Verma. "A prefabricated foundation support".

The 23rd January 1987

49/Del/87. The Gillette Company, "Formation of hard coatings on cutting edges". (Convention date 23rd January, 1986, (U. K.).

50/Del/87. Lubrizol Enterprises, Inc., "Electrochemical cells". [Divisional date 6th January, 1984].

51/Del/87. Sant Ram Ahuja, An improved circuit distribution board".

The 27th January 1987

52/Del/87. Colgate-Palmolive Company, "Liquid detergent having improved softening properties".

53/Del/87. Colgate-Palmolive Company, "Liquid softergent having improved detergency containing alkyl glycoside".

54/Del/87. Colgate-Palmolive Company, "Detergent softener compositions".

The 28th January 1987

55/Del/87. UOP Inc., "Xylene production employing a dual purpose isomerization/transalkylation zone".

56/Del/87. The Lubrizol Corporation, "Heterocyclic compounds useful as additives for lubricant and fuel composition".

57/Del/87. Bowthorpe EMP Limited, "Electrical surge arrester/Divertor". (Convention date 29th January, 1986, U. K.).

58/Del/87. Fosroc International Limited, "Anchoring" (Convention Date 31st January, 1986, 3rd May, 1986, 17th October, 1986, U.K.).

59/Del/87. Interprofil Gfk-Fenster & Bausystems Gesellschaft m.b.H., "A window frame profile and a process for its production".

60/Del/87. Alcan International Limited, "Insulated aluminium wire". (Convention date 6th February, 1986, U.K.).

61/Del/87. Rajendra Kumar, "Means for providing drinking water on railway platforms, bus terminal and the like".

62/Del/87. Council of Scientific and Industrial Research, "A process for the production of copper-Red glasses".

63/Del/87. Council of Scientific and Industrial Research, "A process for the production of bronze coloured sheet glass".

The 29th January 1987

64/Del/87. Council of Scientific and Industrial Research, "A microprocessor based consistency/viscosity monitor".

65/Del/87. Council of Scientific and Industrial Research, "Timer actuated switch for industrial dust collectors".

66/Del/87. Council of Scientific and Industrial Research, "A leading edge device for speed and power regulation of wind mill rotors resembling the configuration of slatlap.

67/Del/87. Council of Scientific and Industrial Research, "An improved process for the manufacture of a tool which is used as a cathode in an electrochemical machining of materials, the tool so manufactured and an electrochemical machining process using the said tool".

68/Del/87. The water Research Commission, "Dewatering slurries".

69/Del/87. Intellect Electronics Ltd., "Proximity sensing device". (Convention date 30th January, 1986, Australia).

70/Del/87. Armaturenfabrik Wallisellen AG., "Actuating arrangement in a single-lever mixing fixture".

71/Del/87. Sab Nife AB., "A method and arrangement for charging a sealed, secondary electrochemical power source".

The 30th January 1987

72/Del/87. Tarvinder Nagpal, "Bottle cap's opener".

73/Del/87. Mahi Pal Singh, "Sliding compression plate".

74/Del/87. Bradford H. Jones, "Process and apparatus for fixing, encapsulating, stabilizing and detoxifying heavy metals and the like in metal-containing sludges, soils, ash and similar materials".

75/Del/87. National Research Development Corp., "A fuel cell".

76/Del/87. National Research Development corp., "A process for the preparation of an anode".

77/Del/87. The Goodyear Tire & Rubber Company, "Process for bulk polymerizing butadiene".

78/Del/87. Institut De Recherches De La Siderurgie Francaise (IRSID), "Process of protective coating of iron and steel products".

79/Del/87. General Foods Corporation, "A process for producing a cheese analog".

80/Del/87. Juan Haener, "Improved interlocking building block". (Convention date 10th November, 1986, Canada, and 10th November, 1986, U.K.).

The 2nd February 1987

81/Del/87. Escorts Limited, "An auto engine stall device".

82/Del/87. Akerlund & Rausing Licens Aktiebolag, "Method and apparatus for transferring pieces of material between two mutually movable handling means".

83/Del/87. Samsonite Corporation, "Combination garment bag and packing case luggage article".

The 3rd February 1987

84/Del/87. Norman Alfred Gardner, "Document and method of rendering a document with information resistant to photocopying and anti-photocopying paper". [Divisional date 4th June, 1984].

85/Del/87. The Lubrizol Corporation, "Boron-containing compositions, and lubricants and fuels containing same".

86/Del/87. Belgorodsky Tekhnologicheskyy Institut Stroitelnykh Materialov Imeni I. A. Grishmanova, "Ball tube mill".

87/Del/87. Thomas Bartlett Snell, "Improvements relating to vehicle wheels" (Convention date 4th February, 1986 (U.K.).

88/Del/87. Piaggio & C.S.p.A., "Apparatus for low-pressure fuel injection into a two-stroke internal combustion engine".

The 4th February 1987

89/Del/87. Alsthom, "A device for ventilating rheostats and/or fluid radiators in a locomotive".

The 6th February 1987

90/Del/87. Hazemag Dr. E. Andreas GmbH & Co., "Rotary Drum".

91/Del/87. Allied Corporation, "Method of manufacture of formed article".

The 9th February 1987

92/Del/87. Norman Alfred Gardner, "Documents resistant to photocopying and anti-copying paper". [Divisional Date 4th June, 1984].

93/Del/87. Stevenson, Abercrombie & Claythorne, "Non-electric portable dishwasher".

94/Del/87. Shriram Institute for Industrial Research, "A process for the synthesis of polyacrylamide".

95/Del/87. Shriram Institute for Industrial Research, "A process for the synthesis of polyacrylamide".

96/Del/87. Shriram Institute for Industrial Research, "A process for the synthesis of polyacrylamide".

97/Del/87. Shriram Institute for Industrial Research, "A process for the synthesis of polyacrylamide".

98/Del/87. Shriram Institute for Industrial Research, "A process for the synthesis of polyacrylamide".

99/Del/87. Shriram Institute for Industrial Research, "A process for the synthesis of polyacrylamide".

The 10th February 1987

100/Del/87. Ashok Kumar Gupta, "Timer Switch".

101/Del/87. Westinghouse Brake and Signal Company Limited, "Proving safe operation".

102/Del/87. Kinetics Technology International Corporation and others, "Feed gas saturation system for steam reforming plants".

103/Del/87. Reliance Electric Company, "Bearing assembly".

104/Del/87. Advanced Separation Technologies Incorporated, "Process for removal of fluoride and phosphorous type contaminants from acidic wastewater".

105/Del/87. Alexandre Graevenitz, "Process for the manufacture of hollow bodies made of continuous fibre-reinforced concrete, products, obtained and device for the implementation of the said process".

The 11th February 1987

106/Del/87. Dom-Sicherheitstechnik GmbH & Co. KG., "Locking device".

107/Del/87. Pfizer Inc., "Calcium independent camp phosphodiesterase inhibitor antidepressant".

108/Del/87. Colgate-Palmolive Company, "Built non-aqueous liquid laundry detergent compositions".

109/Del/87. Colgate-Palmolive Company, "Built non-aqueous liquid laundry detergent compositions".

110/Del/87. Ram Narain Kher, "An air cooler".

111/Del/87. Thumswamy Joseph Devid, "A harvester".

112/Del/87. Jagadish Chandra Sharma, "Advanced technology of lighting tungsten-filament incandescent lamp off a.c. mains".

The 12th February, 1987

113/Del/1987. The Lubrizol Corporation, "Carbamate additives for low phosphorus containing or phosphorus free lubricant compositions".

114/Del/87. Goodyear Aerospace Corporation, "Configuration for a disk brake torque tube".

115/Del/1987. Howard E. Levine, "Two piece combination boat and luggage carrier".

116/Del/1987. Interlego AG., "Track system for toy vehicles".

The 13th February, 1987

117/Del/1987. Council of Scientific and Industrial Research, "Synthesis of  $\alpha$ -(RS)-Cyano-3-phenoxybenzyl (+) *cis*-2, 2-dimethyl-3-(2, 2-dichlorovinyl) cyclopropane carboxylate, a highly potent insecticide belonging to the synthetic pyrethroids group.

118/Del/1987. Council of Scientific and Industrial Research. "The preparation of polymeric aqueous resin emulsion for use as pressure sensitive adhesive on paper, metal foils, tapes and surgical plastics".

119/Del/1987. Council of Scientific and Industrial Research, "A process for sintering of chromites fines and concentrates".

120/Del/1987. Digital Equipment Corporation. "Apparatus and method for responding to an aborted signal exchange between subsystems in a data processing system".

121/Del/1987. Digital Equipment Corporation, "Apparatus and method for providing distributed control in a main memory unit of a data processing system".

122/Del/1987. Digital Equipment Corporation, "Apparatus and method for addressing semiconductor arrays in a main memory unit on consecutive clock cycles".

123/Del/1987. Actief N. V., "Strip fastener material".

124/Del/1987. Waggon fabrik Talbot, "Suspension arrangement for rail vehicles".

The 16th February, 1987

125/Del/87. Leela Mukund Brahmarakshas, "An electrical plug".

126/Del/87. Leela Mukund Brahmarakshas, "An electrical heater".

127/Del/87. Harsco Corporation, "Shipping container for storing materials at cryogenic temperatures". [Divisional Date 16th October, 1984].

128/Del/87. B P Chemicals Limited, "The detection of anomalies in gas fluidised bed polymerisation". (Convention date 26th September, 1986, U.K.).

129/Del/87. Shell Internationale Research Maatschappij B.V., "Gas treatment process". (Convention date 17th February, 1986, U.K.).

130/Del/87. Acco Babcock Inc., "An adjuster device for a control cable assembly".

131/Del/87. Shell Internationale Research Maatschappij B.V., "Catalyst compositions".

132/Del/87. Shell Internationale Research Maatschappij B.V., "Catalyst compositions".

133/Del/87. Acco Babcock Inc., "Control cable adjuster device".

134/Del/87. Jotinder Singh, "System for operating gates at railway level crossings".

135/Del/87. Jotinder Singh, "Improvements in or relating to barriers for roads at railway crossings".

The 17th February, 1987

136/Del/87. Michael Andrew Minovitch, "Condensing atmospheric engine and method". (Convention Date 18th November, 1986, Canada).

137/Del/87. Guy Felix Mignot, "Gas filtration Unit".

138/Del/87. Sanden Corporation, "Device for controlling capacity of compressor".

139/Del/87. Dymax Corporation, "Concentric biopsy probe".

140/Del/87. Bioconcept Sarl, "Apparatus for automatic adjustment of a microscope".

141/Del/87. Otis Elevator Company. "Modular gearless elevator drive".

The 18th February, 1987

142/Del/87. Jack Bauman, "Submergible laryngoscope metallic housing for fiber optics power source".

143/Del/87. Paul Wurth S.A, "Installation for charging a shaft furnace".

144/Del/87. BCL Packaging Limited, "Aseptic filling station". (Convention date 3rd March, 1986, Australia).

145/Del/87. Enciens Ets. Rene Aaron and others, "Automatic guidance device for deformable sheet materials".

146/Del/87. Paul Wurth S.A., "Installation for charging a shaft furnace".

The 19th February, 1987

147/Del/87. Kenrich Petrochemicals, Inc., "Repolymerization".

148/Del/87. Gilchrist Studios Group Limited, "A method of and apparatus for re-creating images". Convention date 19th February, 1986, U.K.).

149/Del/87. The M. W. Kellogg Company, "Diesel fuel production".

150/Del/87. Facet Enterprises, Inc., "Positive shut off electromagnetic fluid pump".

The 20th February, 1987

151/Del/87. Vidrieria Argentina S.A., "A process for the continuous coating of colorless or mass-colored glass and an apparatus for carrying such process into practice".

APPLICATION FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI  
ESTATES, THIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST),  
BOMBAY-400013.

42/BOM/87	A.Happi Oy	12-2-1982	A gas concentrating method and plant.
		12-2-1987	
43/BOM/87	Hindustan Lever Ltd. Great Britain-14.2-86.		Detergent Composition.
		16-2-1987	
47/BOM/87	Shyam Sunder Khanna		A unique knitted fabric with PVC foam lamination back.
42/BOM/87	Electronics Engineering Company.		Portable ultrasonic tail tester.
43/BOM/87	S.N. Patkar		Mechanically, operated, adjustable, self locked, dental surgical chart.
		18-2-1987	
47/BOM/87	Rashmi Patel		A container having a filter proof cap
48/BOM/87	K.V. Choudhri		Modular rack trolley assembly.
		19-2-1987	
49/BOM/87	B.N. Patel & R.N. Gajera.		Energy developer.

APPLICATION FOR PATENTS FILED AT PATENT  
OFFICE BRANCH, 61, WALLAJAH ROAD,  
MADRAS-600 002

The 23rd February, 1987

- 118/Mas/87. M. K. MOHANRAJ, Automatic Fuse Carrier.  
119/Mas/87. V. J. BOSE, "Vehicle's Accidental Safety Brake".  
120/Mas/87. NORTHERN ENGINEERING INDUSTRIES PLC., ARC Interrupter. (March 25th, 1986, U.K.).  
121/Mas/87. NORTHERN ENGINEERING INDUSTRIES PLC., ARC Interrupter. (March 25th, 1986, U.K.).  
122/Mas/87. NORTHERN ENGINEERING INDUSTRIES PLC., ARC Interrupter. (March 25th, 1986, U.K.).

The 24th February, 1987

- 123/Mas/87. LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, "Improvements in self Energising Disc Brakes". (February 26, 1986, U.K.).  
124/Mas/87. LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, "Improvements in self-Energising Disc Brakes". (March 1st, 1986, U.K.).  
125/Mas/87. SCHUBERT AND SALZER MASCHINEN-FABRIK AKTIENGESELLSCHAFT, A Thread Store. (Divisional Patent No. 1341/Cal/83).  
126/Mas/87. N. V. RYCHEM S.A., Cable Splice Case. (February 24th 1986, U.K.).  
127/Mas/87. METAL BOX PLC., Apparatus for Detecting Micro-Organisms. (March 19th, 1986, U.K.).  
128/Mas/87. GLASSTECH INC., Glass Sheet Press Bending System.

The 25th February, 1987

- 129/Mas/87. TAKEDA CHEMICAL INDUSTRIES LIMITED, Carbocyclic Purine Nucleosides their Production and use.

- 130/Mas/87. SMS SCHLOEMANN-SIEMAG AKTIENGESELLSCHAFT, Method and Apparatus for Concluding the Operation of the Continuous Casting of Strip Metal.

- 131/Mas/87. WLP HOLDINGS PROPRIETARY LIMITED, Packing Elements for Evaporative Coolers and a Method of Supporting Packing Elements in Cooling Towers.

- 132/Mas/87. MITSUBISHI-DENKI KABUSHIKI KAISHA, Fault Point Locating Method, Fault Point Resistance Measuring Method, and Impedance to Fault Point Measuring Method, and Apparatuses Therefor.

The 26th February, 1987

- 133/Mas/87. DEUTSCHE TEXACO A.G., Process for the Continuous Separation of Water From Mixtures with Organic Substance.

- 134/Mas/87. BASF AKTIENGESELLSCHAFT, "Preparation of Fertilizers Containing Ammonium Nitrate and Calcium Carbonate".

- 135/Mas/87. MERLIN GERIN, Current Breaking Device with Solid-State Switch and Built-In Protective Circuit Breaker.

The 27th February, 1987

- 136/Mas/87. G. VENKATRAMANA BHAT, The Frictionless Ball Bearing", Which Prevent the Friction of Ball Bearing.

- 137/Mas/87. THANUMALAYAPERUMAL MUTHU, Domestic Quantity Measuring System.

- 138/Mas/87. SOCIETE DES PRODUITS NESTLE S.A., "Process and Device for the Control of Tightness of Packages".

- 139/Mas/87. STEPHEN R. WECHTER, Methods and Compositions for the Detection of Acquired Immune Deficiency Syndrome.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date

of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

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CLASS : 129-G. 159189

Int. Cl. : B 26 d 3/00.

#### MULTI CORNERED CUTTING INSERTS.

Applicant : WIDIA (INDIA) LIMITED, 8/9TH MILE, TUMKUR ROAD, BANGALORE-560 073, KARNATAKA.

Inventor : DR. NORBERT REITER HUNSTRUECKSTR.

Application No. 24/Mas/83 filed January 31, 1983.

Complete Specification left : April 30, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 7 Claims

A multi-cornered cutting insert for cutting tools comprising a top surface wherein are embedded chip forming elements whose configuration is substantially of pyramidal frustrum shape having a substantially triangular base.

Prov. Specn. 6 pages.

Compl. Specn. 8 pages Drgs. 3 sheets.

CLASS : 63 E & D. 159190

Int. Cl. : H 02 k 5/18/14.

#### AN IMPROVED FAN-COOLED MOTOR.

Applicant & Inventor : NARAYANASWAMY NAIDU DURASWAMY, "RAJKALA", AVANASHI ROAD, COIMBATORE-641 018, TAMIL NDU, INDIA.

Application No. 138/Mas/83 filed June 21, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 2 Claims

An improved fan-cooled motor comprising a plurality of fins provided on the exterior of the housing thereof and a fan-cover for the fan, characterised in that the ends of the fins, at the fan end of the motor are enclosed by the mouth of the fan-cover and fixed thereto, leaving a gap between the mouth of the cover and the external periphery of the housing whereby a part of the cooling fan air is positively guided by the fan-cover from within the housing into the

channels formed by the fins, in intimate contact therewith and also with the bed of the channels, and in that the ends of the fins at the fan end of the motor are equally stepped so as to receive and seat the mouth of the fan cover on the steps with the external periphery of the cover flush with the top surface of the fins.

Compl. Specn. 6 pages

Drg. 1 sheet.

CLASS : 206 A.

159191

Int. Cl. : H 01 q 21/00.

#### A BROAD BAND UHF ANTENNA.

Applicant's : (1) THIRUVENKATA KRISHNAN OF 234 AVVAI SHANMUGAM ROAD, MADRAS-600 086, TAMIL NADU, INDIA. (2) BHARAT ELECTRONICS LIMITED, TRADE CENTRE, 29/4, RACE COURSE ROAD, BANGALORE-560 001, KARNATAKA, INDIA.

Inventor : THIRUVENKATA KRISHNAN.

Application No. 142/Mas/83 filed June 22, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 3 Claims

A broad band UHF antenna comprising a gridded paraboloid dish reflector provided with a square vertex plate for optimum matching conditions by phase cancellation, the said vertex plate having means for mounting the said antenna thereon; a feed system having an electrically thick dipole backed by a rectangular reflector plate, the said feed system employing matching stub lines on an auxiliary transmission line constituted by two spaced parallel tubes, the said stub lines also serving as balun.

Compl. Specn. 7 pages.

Drgs. 6 sheets.

CLASS : 14 A<sub>2</sub>

159192

Int. Cl. : H 05 m 35/06.

#### DEEP-CYCLE BATTERY WITH COMPOSITE PLATE POSITIVES.

Applicants : AMCO BATTERIES LIMITED, SIXTY FLOOR, CENTENERY BUILDING, MAHATMA GANDHI ROAD, BANGALORE-560 001, KARNATAKA.

Inventors : (1) SRI RANNA KRISHNA HEBBAR, (2) SRI TANJORE SRINIVASAN SRINATH AND (3) SRI YOGANANDA.

Application No. 151/Mas/83 filed July 4, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 2 Claims

A lead acid battery comprising a plurality of cells electrically connected in series or parallel, in which each cell contains a plurality of composite plates and negative plates separated by synthetic polymeric separators, said composite positive plates each consisting of two identical plates connected only near the busbar and surrounded by a U-folded glass retainer mat.

Compl. Specn. 8 pages.

Drg. 1 sheet.

CLASS : 156 D & E.

159193

Int. Cl. : F 04 b 43/02.

#### A MANUALLY OPERATED DIAPHRAGM PUMP FOR LIQUID.

Applicant : KERALA GANDHI SMARAK NIDHI, OF GANDHI BHAVAN, TRIVANDRUM-695 014, KERALA, INDIA; A SOCIETY REGISTERED UNDER "TRIVANDORE-COCHIN LITERARY, SCIENTIFIC AND CHARITABLE SOCIETIES' REGISTRATION ACT OF 1955.

Inventor : KESAVA PILLAI VELAPPEN PILLAI.

Application No. 153/Mas/83 filed July 6, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

### 8 Claims

A manually operated diaphragm pump for liquid comprising a cylinder which is partitioned into at least two vertical compartments, one side of each said compartment being provided with a flexible diaphragm, said diaphragms being attached to a lever whose operation draws out and pushes back said diaphragms alternately from and to their original position, each said compartment being provided with an inlet port and an outlet port which are equipped with one way valves, said cylinder having a common intake chamber and a common discharge chamber which communicate respectively with the inlet and outlet ports of said compartments, said intake and discharge chambers are connectable to a suction and a discharge conduit respectively.

Compl. Specn. 8 pages.

Drgs. 3 sheets.

CLASS : 189

159194

Int. Cl. : A 45 d 33/00.

### A CONTINUOUS TOILET CLEANSER.

Applicants : New Way Chemicals & Polishes Private Limited, 85, Arcot Road, Vadapalani, Madras-600 026, Tamil Nadu, India.

Inventor : Tiruvellore Thattai Raghunathan.

Application No. T35/Mas/83 filed July 13, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

### 6 Claims

A continuous toilet cleanser comprising an open mouthed container provided with a wedge-shaped recess at its side, the recess having an aperture on one of its tapering faces; a solid or semi-solid water-soluble perfumed cleansing preparation partly filling the container up to a level below the aperture, such that whenever the container is suspended within a flushing cistern and submerged in the water therein, a portion of the water in the cistern enters the container and forms a solution of a part of the preparation therein, whereby whenever the cistern is operated to flush the toilet, the fall of water level in the cistern below the aperture causes the solution to spurt out of the aperture, along with the discharging cistern water, to cleanse and perfume the toilet bowl.

Compl. Specn. 5 pages.

Drg. 1 sheet.

CLASS : 168 F.

159195

Int. Cl. G 01 r 13/00.

A METHOD OF OBTAINING A TRUE ANALOGUE MULTI-COLUMN BAR-GRAPH LIQUID CRYSTAL DISPLAY WITH ZIG-ZAG BIAS RESISTOR; AND A TRUE ANALOGUE MULTI-COLUMN BAR-GRAPH LIQUID "CRYSTAL DISPLAY WITH ZIG-ZAG BIAS RESISTOR PREPARED THEREBY".

Applicant : BHARAT ELECTRONICS LIMITED, TRADE CENTRE, 29/4, RACE COURSE ROAD, BANGALORE-560 001, KARNATAKA, INDIA.

Inventors : (1) MUNISAMY ANANDAN AND (2) MANDAVILLI SATYAM.

Application No. 161/Mas/83, filed July 22, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

### 9 Claims

A method of obtaining a Multi-Column Bar-Graph Liquid Crystal Display Device which comprises the series of steps wherein :—

- (a) a rectangular pattern of indium tin oxide is formed on a bottom glass substrate by selective etching;
- (b) seven bars of zig-zag pattern with two scales of indium tin oxide are formed on a top glass substrate by photo-lithography;
- (c) top and bottom substrates are cleaned and coated with obliquely evaporated silicon monoxide;
- (d) conductive dots are formed on the bottom/substrate and the two substrates are sealed by glass frit-sealing;
- (e) the sealed display is edge-metallised, filled with liquid crystal and soldered;
- (f) polaroid sheets are pasted on the outer surface of both the substrates, so that the polaroids are crossed but the display appears clear when viewed through the polaroids.

A true Analogue Multi-column Bar-Graph Liquid Crystal Display Device with zig-zag resistors with scales whenever prepared by a method herein described and illustrated by way of accompanying drawings.

Compl. Specn. 6 pages.

Drgs. 2 sheets.

CLASS : 9 A.

159196

Int. Cl. : C 22 c 9/00, 15/00, 21/00.

### A PROCESS OF PREPARING A SUPERPLASTIC ALLOY OF AL-CU-ZR.

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, I. I. T., P. O. MADRAS-600 036, TAMIL NADU, INDIA.

Inventors : (1) DR. KUPPUSWAMY ANANTHA PADMANABHAN, (2) SAMBASIVAM DEVARAJ, (3) MARGAM NEELAKANTAN AND (4) KANNAPAN SOCKLINGAM KOVINDANARAYANAN CHOCKALINGAM.

Application No. 201/Mas/83 filed September, 27, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

### 3 Claims

A process of preparing a superplastic alloy of Al-Cu-Zr comprising the steps of preparing a melt of Al, Cu and Al-Zr master alloy substantially in the proportions of 830 gm-Al, 60 gm-Cu and 110 gm of Al-4.6% Zr; covering the molten metal with a known flux and retaining the temperature at 900°C—1000°C for 30—50 minutes; degassing the melt by known means and pouring the alloy from a temperature of 800°C—875°C to chill cast the melt in order to avoid segregation of Zr; aging the cast metal at a temperature of 350°C—400°C for 10—20 hours to ensure uniform precipitation of Zr Al<sub>3</sub> cuboids; and hot rolling the alloy at 270°C—350°C to sheets of 1.7 mm to 2.6 mm thickness, to obtain an ultra fine grain size (1.5—3 μm), the composition of the alloy thus obtained being Al-6Cu-0.5Zr.

Compl. Specn. 5 pages.

Drg. Nil.

CLASS : 190 C.

159197

Int. Cl. : F 03 b 13/10 & E 02 b 9/00.

### A HYDROELECTRIC POWER PLANT.

Applicant & Inventor : CHELUWACHARI KALACHARI, 174 (OUTHOUSE), 7TH CROSS, 2ND BLOCK, JAYA-NAGAR, BANGALORE-560 011, KARNATAKA, INDIA.

Application No. 206/Mas/83 filed October 7, 1983.



Complete Specification left November 5, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 2 Claims

A hydroelectric plant comprising :—

- (i) a turbine located in a submerged chamber,
- (ii) a water inlet for supplying water to the turbine,
- (iii) scoops sliding up and down outside the submerged chamber,
- (iv) releasable dead-weight inside the scoop,
- (v) an outlet to release water from the submerged chamber into the scoop,
- (vi) the submerged chamber under water surface is surrounded at its bottom by,
- (vii) an empty tunnel,
- (viii) one or more slideable scoops in guide strips and located above the surrounding tunnel,
- (ix) the turbine inside the submerged chamber is connected to a generator through a turbine shaft,
- (x) closable outlet/s provided in the submerged chamber to let water into the scoop/s,
- (xi) releasing clamp locks provided on the top of the empty tunnel to release the scoop which rises to surface,
- (xii) closable openings provided at the top of the scoop to release the water inside the scoop and to receive the dead weight.
- (xiii) clamp locks provided on the top portion of the surrounding tunnel to lock the scoop/s when sunk,
- (xiv) a top hatch provided on the top portion of the surrounding tunnel,
- (xv) a bottom hatch provided at the bottom of the scoop,
- (xvi) closable openings provided in the scoop to relieve the water from the submerged chamber and to let out air.

Prov. Specn. 7 pages.

Comp. Specn. 11 pages.

Drgs. 2 sheets.

CLASS : 45-G3.

159198

Int. Cl. : E 03 d 1/00, 3/00.

A NOVEL INTAKE VALVE DEVICE.

Applicant & Inventor : MOIDEEN ABDUL WAHAB KAMARUDDIN, PROPRIETOR, OLYMPIC CISTERNS, NO. 1013, 11TH MAIN, R.P.C. LAYOUT, VIJAY-NAGAR, BANGALORE-560 040, KARNATAKA.

Application No. 208/Mas/83 filed October 14, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 9 Claims

A novel intake valve device particularly but not exclusively for use in a flushing cistern comprising an inlet conduit whose one end is connectable to water mains and whose other end is disposed within a housing provided with a recess to which said other end has access, said other end of the inlet conduit being provided with a valve assembly consisting of a first flexible diaphragm which sits on the opening of said other end of the inlet conduit and a second flexible diaphragm having an aperture in which is located

said other end of the inlet conduit, said second flexible diaphragm being disposed below said first flexible diaphragm on which is seated a plunger operable by one end of a lever having a float provided at its other or free end, said housing being provided with a feeder pipe which extends from said recess to the interior of said flushing cistern.

Comp. Specn. 10 pages.

Drgs. 4 sheets

each sheet of size 33.00 cms. by 41.00 cms.

CLASS : 85-L

159199

COMBUSTION APPARATUS FOR BURNING WASTE MATERIAL UTILISING AN AUGER HAVING AN INTERNAL AIR SUPPLY SYSTEM.

Int. Cl. : F 23 g 5/06.

Applicant: CORNELL-HOSKINSON MFG. CORP. 186 MAYFAIR AVENUE, FLORAL PARK, NEW YORK, USA.

Inventor : 1. GORDON HILLIS HOSKINSON.

Application No. 733/Cal/76 filed April 27, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims

In a combustion apparatus for burning waste materials, a housing defining a combustion chamber to burn waste material, an auger mounted for rotation in the combustion chamber and disposed to convey the waste material through said combustion chamber and discharge the non-combustible residue from the down-stream end of said combustion chamber, said auger including a shaft and a hollow spiral flight connected to the shaft, said flight having an interior passage extending at least a portion of the length of said flight, port means in said flight for providing communication between said passage and the combustion chamber, said port means comprising a plurality of ports spaced along a portion of the length of the flight, and air supply means for supplying air to said passage, said air being discharged through said port means into said combustion chamber, a portion of the air being discharged into the mass of waste material in said combustion chamber as the auger rotates, and a second portion of the air being discharged into the upper portion of the combustion chamber above the level of the waste material therein to burn the combustible waste gases in a secondary combustion zone.

Compl. specn. 19 pages.

Drg. 3 sheets

CLASS : 155-A

159200

Int. Cl. : D 21 f 3/00.

A METHOD AND AN APPARATUS FOR APPLYING COATING TO PAPER SHEET WEB.

Applicant : BELOIT CORPORATION, P.O. BOX 350 BELOIT, WISCONSIN 53511, U. S. A.

Inventors : 1. ROBERT JACOB ALHEID, 2. ROBERT WILLIAM CARISON, 3. GERALD R. GARDE.

Application No. 902/Cal/82 filed August 2, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 15 Claims

Apparatus for applying coating to a paper sheet web, in the form of a liquid solution for penetration into the web, comprising :

a two roll press defined by two rolls receiving the web therebetween,

a nip between said rolls where the web enters for passage through said two roll press,

coating applicator for at least one roll for applying coating solution onto said respective roll surface, and

a doctor blade cooperating with said at least one roll for metering the coating on the respective roll surface into a generally uniform coating film to be passed to said nip for penetration into said web, whereby puddle formation is eliminated at said nip.

Compl. specn. 13 pages.

Drq. 2 sheets

CLASS : 103

159201

Int. Cl. : C23 f 11/00.

#### A METHOD OF COATING A STEEL SUBSTRATE.

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED  
COMPANY OF GREAT KING STREET, BIRMINGHAM  
B19 2XF ENGLAND.

Inventors : 1. CYRIL DAWES, 2. JOHN DAVID SMITH.

Application No. 1027/Cal/82 filed September 4, 1982.

Convention dated 5th September, 1981 (81 26928) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 10 Claims

A method of coating a steel substrate comprising the steps of effecting a heat treatment operation on a non-alloy steel substrate so as to produce an epsilon iron nitride surface layer thereon, cooling the heat treated substrate under non-oxidizing conditions, and applying a coating layer to said surface layer so as to provide a solid organic protective coating thereon.

Compl. specn. 12 pages.

Drq. Nil

CLASS : 153

159202

Int. Cl. : B24 b 33/10.

#### MOUNTING MEANS FOR DRIVINGLY ATTACHING A REPLACABLE STONE ASSEMBLY TO A MASTER STONE HOLDER.

Applicant : SUNNEN PRODUCTS COMPANY, OF 7910 MANCHESTER AVENUE, ST. LOUIS, MISSOURI 63143, UNITED STATES OF AMERICA.

Inventors : 1. ROBERT M. SUNNEN.

Application No. 1020/Cal/82 filed September 2, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 31 Claims

Mounting means for drivingly attaching a replaceable stone assembly to a master stone holder comprising a support structure including a plate member having opposite surfaces and at least one opening extending therethrough, a stone assembly for mounting on the plate member including a backing member having opposed surfaces one of which is adapted to be placed in contact with one of the opposite surfaces of the plate member, at least one honing stone member mounted on the other opposed surface of the backing member, tubular members corresponding in number to the number of openings in the plate member formed on said one opposed surface of the backing member and located thereon to register with and to be insertable into the corresponding number of openings in the plate member, and means insertable into each of said tubular members to radially expand said tubular members outwardly into engagement with the corresponding openings in the plate member.

Compl 25 pages.

Drq. 5 sheets

CLASS : 32-F2a; 39-N; 40-F

159203

Int. Cl. : C07 c 143/24; C01 g 31/00.

#### PROCESS FOR PURIFYING A STRETFORD PROCESS ALKALINE AQUEOUS SOLUTION.

Applicant : THE DOW CHEMICAL COMPANY, OF 2030 DOW CENTER, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, U.S.A.

Inventor : I. RICHARD ALAN WOLCOTT.

Application No. 1067/Cal/82 filed September 15, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 13 Claims

A process for purifying a stretford process alkaline aqueous solution containing disodium anthraquinone disulfonate, sodium vanadate, sodium carbonate, sodium bicarbonate, sodium thiosulfate, sodium sulfate, sulfur particles, and sodium hydroxide, said process comprising :

separating, by filtration, as a side-stream, a portion of the said solution from the sulfur particle-containing mainstream of the said solution;

contacting the said side-stream portion with activated carbon which adsorbs anthraquinone disulfonate from the said solution;

then contacting the said side-stream portion with an anion exchange resin to separate the vanadate from the solution;

then contacting the said side-stream portion with an anion exchange resin to separate the vanadate from the solution,

obtaining thereby an alkaline aqueous solution which is substantially depleted of said anthraquinone disulfonate and said vanadate,

and, if desired, washing the carbon with an aqueous wash to elute the anthraquinone disulfonate and the anion exchange resin with an alkaline aqueous wash to elute the vanadate.

Compl. specn. 14 pages.

Drq. Nil

CLASS : 80-K

159204

Int. Cl. : B01 d 35/28.

#### MULTIPLE CARTRIDGE FILTER ASSEMBLY WITH REMOVABLE FILTER CARTRIDGE ARRAY.

Applicant : PALI CORPORATION, OF 30 SEA CLIFF AVENUE, GLEN COVE, NEW YORK 11542, UNITED STATES OF AMERICA.

Inventors : 1. JOHN DAVID MILLER, 2. CLAYTON LEWIS REED.

Application No. 1106/Cal/82 filed September 24, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 10 Claims

A multiple cartridge filter assembly comprising :

(a) a housing having upper and lower portions securable face-to-face to form an enclosed sealed space having an inlet for pre-filtered fluid and an outlet for filtrate;

(b) a removable filter array comprising :

(1) a plurality of elongated filter cartridges each having a blind end and an adapter at the other end for axial engagement with a mating adapter;

(2) a separation plate securable substantially horizontally within the housing in a working condition in which the separation plate defines upper and lower filter chambers, one chamber being for prefiltered fluid, the other chamber being for filtrate, the separation plate having a plurality of adapters to mate from

below with the adapters of filter cartridges, the filter cartridge adapter creating a fluid-tight seal with the separation plate adapter with the former axially engaged with the latter, the respective adapters permitting at least partial engagement with the filter cartridge at an oblique angle relative to the separation plate;

- (3) a filter cartridge support platform; and
- (4) means connecting the support platform to the separation plate in a substantially horizontal position beneath the blind ends of the filter cartridges, the connection between the separation plate and the support platform permitting the support platform to shift between a first position in which it retains the filter cartridge adapters axially engaged with the separation plate adapters and a second position wherein the support platform is spaced from the separation plate by a greater distance than in the first position, the spacing between the separation plate and the support platform with the latter in the second position being sufficient to permit the insertion and removal of the filter cartridges, the support plate automatically assuming the second position unless restrained from beneath, and
- (4) stop means within the housing for holding the support platform in substantially the first position when theremovable filter array is within the housing with the separation plate in its working conditions.

Compl. specn. 25 pages.

Drq. 4 sheets

CLASS : 51-D

159205

Int. Cl. : B 26 b 21/00.

SAFETY RAZORS.

Applicant : HARBANS LAL MALHOTRA & SONS LIMITED, 12 NEW CIT ROAD, CALCUTTA-700 073.

Inventor : 1. NAVIN PRAKASH MALHOTRA.

Application No. 1118/Cal/82 filed September 29, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims

A safety razor adapted to be fitted with a cartridge having one or more single edged blades, comprising a straight handle the upper portion of which is bent or directed at angle to the major portion of the handle, a cradle or holder for supporting the blade cartridge, which cradle or holder includes two metallic strips secured to the bent portion of the handle on opposite sides thereof and bent at right angles in opposite directions away from each other and again bent at right angles in the same direction to provide arms adapted to engage opposite sides of a blade cartridge and formed with channel shaped depressions for engaging a lug and a groove on each of the opposite sides of the cartridge and a blade cartridge ejecting mechanism including a spring biased lever having a head adapted to engage the under side of the blade cartridge and extending into the hollow space in the bent portion of the handle and adapted to pushed outwardly by a pressure lever.

Compl. specn. 8 pages.

Drq. 1 sheet.

CLASS : 145-B

159206

Int. Cl. : D 21 h 1/12.

A PROCESS FOR PREPARING A COPPER LAMINATED HARD PAPER.

Applicant : DYNAMIT NOBEL AKTIENGESSELLSCHAFT OF POSTFACH 1209, 5210 TROISDORF, WEST GERMANY.

Inventors : 1. ARNOLD FRANZ, 2. SIEGFRIED KOP-NICK.

Application No. 1281/Cal/82 filed October 30, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 2 Claims

A process for preparing a copper laminated hard paper comprising bonding together flame-resistant layers of material based on a cellulose containing carrier and an impregnating lacquer formed from a phenolic resol with additions of plasticisers and flame protecting agents and curing under high pressures of 6900 to 17200 hPa and at temperatures of 130 to 175°C, characterized in that the impregnating lacquer possesses the following composition :

Ammoniacal condensed phenolic

resol resin	from 35 to 50
low molecular phenolic resin	from 0 to 12
diphenylcresyl phosphate	from 20 to 35
hexamethylenetetramine	from 1 to 6
tetrabromobisphenol A	from 0 to 5
pentabromodiphenyl ether and	from 0 to 3

from 5 to 20% by weight of a polyurethane component formed from a reaction product of polyethylene glycol polypropylene glycol and p-nonylphenol with toluene-2, 4-diisocyanate with the following composition :

(-O-CH <sub>2</sub> -CH <sub>2</sub> -)	from 15 to 20
(-O-CH <sub>2</sub> -CH(CH <sub>3</sub> )-) <sub>n</sub>	from 50 to 60
toluene-2, 4-diisocyanate	from 8 to 12
nonylphenol	from 10 to 15.

Compl. specn. 12 pages.

Drq. Nil

CLASS : 32-E

159207

Int. Cl. : C 08 g 5/00, 53/18.

PROCESS FOR PRODUCING PARTICULATE NOVO-LAC RESINS AND AQUEOUS DISPERSIONS.

Applicant : UNION CARBIDE CORPORATION, AT OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT (06817), UNITED STATES OF AMERICA.

Inventor : 1. PETER WILLIAM KOPF.

Application No. 1492/Cal/82 filed December 27, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 12 Claims

A process for producing particulate novolac resin, either as such or as an aqueous dispersion thereof, comprising the steps of :

- (a) condensing a phenol with an aldehyde in the presence of a catalyst under acidic conditions to produce a novolac resin;
- (b) adding water before, during or after the condensation reaction in step (a) to provide a novolac resin/water mixture;
- (c) neutralizing the acid catalyzed novolac resin using a base;
- (d) forming a particulate novolac resin dispersion by adding an effective amount of protective colloid to the aqueous mixture; and if desired;
- (e) isolating the particulate novolac resin from the aqueous dispersion.

Compl. specn. 33 pages.

Drq. 1 sheet

CLASS : 49-E &amp; F + 180

159208

Int. Cl. : A 21 b 1/00; F 24 c 3/08.

## IMPROVED GAS BURNER.

Applicant : BRITANNIA INDUSTRIES LIMITED, OF  
15 TARATOLA ROAD, CALCUTTA 700053, INDIA.

Inventor : 1. FRANCIS ANSELM D'SOUZA.

Application No. 1503/Cal/82 filed December 30, 1982.

Appropriate office for opposition proceedings (Rule 4,  
Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims

A gas burner comprising an elongated plenum chamber of annular cross-section, means to feed an air/gas mixture to the chamber from within at distributed positions along its length, at least one slit-shaped opening in a wall of the chamber from which the mixture flows outwardly therefrom to a burner assembly, the burner assembly comprising a plane wall extending parallel to the mixture flow through the assembly and a plate having an edge confronting the said wall and provided with notches at spaced intervals therealong.

Compl. Specn. 9 pages.

Drgs. 3 sheets.

Class :—32F

159209

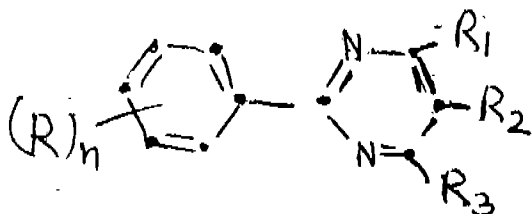
(2b).

Int. Class :—Co7d 51/00, 51/36.

## "A PROCESS FOR THE PREPARATION OF PHENYL-PYRIMIDINE."

Applicant :—CIBA-GEIGY AG., of Klybeckstrasse 141,  
4002 Basle, Switzerland, a Swiss Corporation.Inventors :—Kurt Burdeska, Guglielmo Kabas, Hans.Georg  
Brummer and Werner Fory.Application for patent No. 784/DEL/1981 filed on 15th Dec-  
ember 1981.Appropriate office for opposition proceedings (Rule 4,  
Patent Rules 1972) Patent Office Branch, New Delhi-110002.

## 2 Claims

A process for the preparation of phenylpyrimidine of the  
formula I

where in n is an integer from 1 to 5.

R is hydrogen, halogen, nitro, cyano, -XR<sub>5</sub>, -NR<sub>6</sub>R<sub>7</sub>, -CO-A, -CS-NR<sub>6</sub>R<sub>7</sub>, -SO<sub>2</sub>-NR<sub>6</sub>R<sub>7</sub>, C(OR<sub>4</sub>)<sub>2</sub>-R<sub>4</sub>, radical of formula I, -PO(OR<sub>4</sub>)<sub>2</sub>, -SO<sub>3</sub>H, -N-CR<sub>8</sub>R<sub>9</sub>, a C<sub>1</sub>-C<sub>6</sub> alkyl or C<sub>3</sub>-C<sub>6</sub> cycloalkyl group, unsubstituted or substituted by halogen, -XR<sub>5</sub>, -jNR<sub>6</sub>R<sub>7</sub>, -PO(OR<sub>4</sub>)<sub>2</sub>, -CO-A or cyano, or a C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl or C<sub>2</sub>-C<sub>6</sub> alkynyl group, unsubstituted or substituted by halogen or -XRR<sub>4</sub>.

R<sub>1</sub> any R<sub>3</sub>, each independently of the other, are hydrogen, halogen, C<sub>1</sub>-C<sub>6</sub> alkyl, cyano, -CO-A, -NR<sub>6</sub>R<sub>7</sub>, -XR<sub>5</sub>, or phenyl substituted by halogen, C<sub>1</sub>-C<sub>4</sub> alkyl, nitro or -XR<sub>5</sub>.

R<sub>2</sub> is hydrogen, halogen, phenyl or phenyl substituted by halogen, C<sub>1</sub>-C<sub>4</sub> alkyl, trifluoromethyl, nitro or -XR<sub>5</sub>, or is a C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl or C<sub>2</sub>-C<sub>6</sub> alkynyl group, unsubstituted or substituted by halogen or -XR<sub>5</sub>.

R<sub>4</sub> is hydrogen or a C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>6</sub> alkenyl or C<sub>2</sub>-C<sub>6</sub> alkynyl group, unsubstituted or substituted by halogen, -CO-A, hydroxyl, C<sub>1</sub>-C<sub>6</sub> alkoxy or -NR<sub>6</sub>R<sub>7</sub>.

R<sub>5</sub> has the same meaning as R<sub>4</sub> and is additionally C<sub>1</sub>-C<sub>6</sub> alkylcarbonyl, C<sub>3</sub>-C<sub>6</sub> alkenylcarbonyl or C<sub>3</sub>-C<sub>6</sub>-alkynyl-carbonyl.

R<sub>6</sub> and R<sub>7</sub>, each independently of the other, are hydrogen, C<sub>3</sub>-C<sub>6</sub> alkenyl, C<sub>3</sub>-C<sub>6</sub> alkynyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl; or C<sub>1</sub>-C<sub>6</sub> alkyl, unsubstituted or substituted by -COA; or one of R<sub>6</sub> and R<sub>7</sub> is a -CO-A or -OR<sub>4</sub> group, or R<sub>6</sub> and R<sub>7</sub> together are a 4- to 6-membered alkylene chain which may be interrupted by oxygen, sulfur, an imino or C<sub>1</sub>-C<sub>4</sub> alkylamino group.

B is a branched or unbranched C<sub>1</sub>-C<sub>6</sub> alkylene chain, and

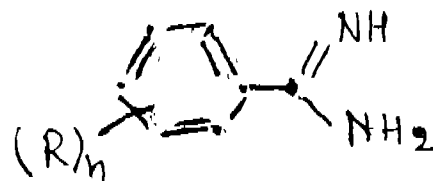
X is oxygen, sulfur -SO- or -SO<sub>2</sub>.

A has the same meaning as R<sub>5</sub> or is -OR<sub>4</sub> or -NR<sub>6</sub>R<sub>7</sub>.

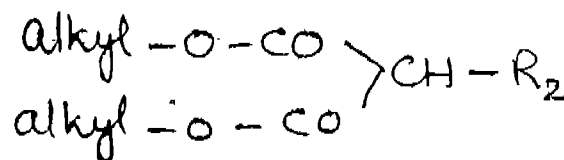
R<sub>8</sub> is C<sub>1</sub>-C<sub>6</sub> alkyl, unsubstituted or substituted by C<sub>1</sub>-C<sub>7</sub> alkoxy.

R<sub>9</sub> is hydrogen or has the same meaning as R<sub>8</sub> or

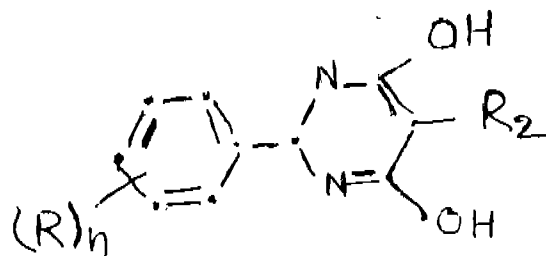
R<sub>8</sub> and R<sub>9</sub> together are a 4- to 5-membered alkylene chain, which process comprises condensing a phenylamidine of the Formula II



Where in R and n are as defined above, in alcoholic solution in the presence of a base such as herein described, at a temperature from 0°C to the boiling point of the reaction mixture with a dialkyl malonate of the formula III



wherein R<sub>2</sub> is as defined above, and alkyl is a lower (C<sub>1</sub>-C<sub>8</sub>) alkyl radical and then isolating the resultant 2-phenyl-4, 6-dihydroxypyrimidine of the formula IV



wherein  $R$ ,  $R_2$  and  $n$  as defined above an optionally replacing the hydroxy groups in an organic solvent such as herein described with chlorine and bromine and optionally replacing one or both chlorine or bromine atoms by the radicals of  $R_1$  and  $R_3$  as defined above in any known manner to produce the compound of formula I of the drawings.

Compl. Specn. 84 pages.

Drgs. 7 sheets.

CLASS : 32F<sub>2</sub> (b).

159210

Int. Cl. : CO7d 49/00.

**"A PROCESS FOR THE SYNTHESIS OF ALKYL 5(6)-CARBOXAMIDO BENZIMIDAZOLE-2-CARBAMATES".**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110 001, India, an Indian registered body incorporated under the Registration of societies Act (Act XXI of 1860).

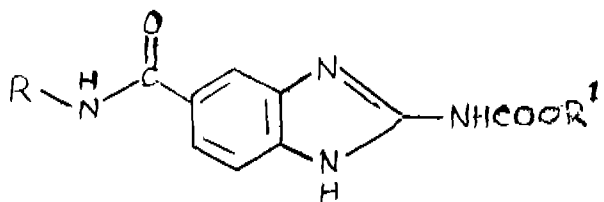
Inventors : SHIV KUMAR, AMIYA PRASHAD BHADURI, PRADEEP KUMAR SINGH VISEN, SHIVE RAM, SUMAN GUPTA, JAGDISH CHANDRA KATIYAR AND AMIYA BHUSHAN SEN.

Application for Patent No. 22/Del/82 filed on 11th January, 1982.

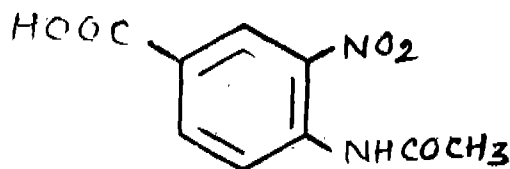
Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

**6 Claims**

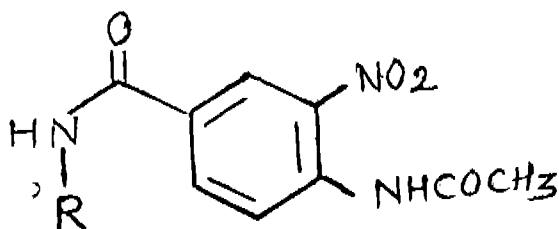
A process for the synthesis of alkyl 5(6) carboxyamido-benzimidazole-2-carbamates of formula (V)



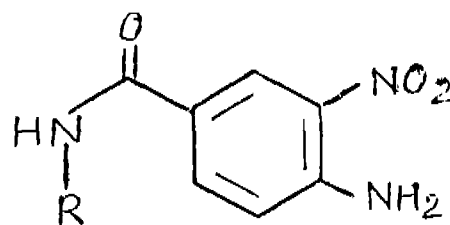
comprising reacting 4-acetamido-3-nitrobenzoic acid of formula (I)



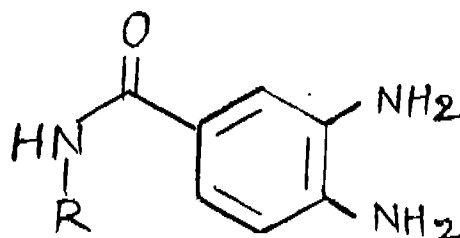
with thionyl chloride and the reaction mixture with  $R-NH_2$  to form 4 carboxamido-2-nitro-acetanilide of formula (II)



hydrolysing with an aqueous alkali the compound of formula (II) to form 4-carboxamido-2-nitro aniline of formula (III).



reducing the compound of formula (III) with Raney nickel catalyst on  $N_2H_4$  at high pressure to form 4 carboxyamido-o-phenylene diamines of formula (IV)



and treating the compound of formula (IV) with alkyl chloroformate and the reaction product with S-methyl-isothiuronium to yield the desired compounds of formula (V), wherein 'R' is alkyl radical like methyl, aryl like, 2-methyl furyl-, substituted phenyl or piperazinyl radicals and 'R' is alkyl like methyl or ethyl radicals.

Compl. Specn. 6 pages.

Drg. 1 sheet.

CLASS : 32F<sub>3</sub> (a).

159211

Int. Cl. : CO7d 63/12.

**A PROCESS FOR PREPARATION OF 4-3-THIENYL-PHENYLALKANOIC ACID DERIVATIVES AND SALTS THEREOF.**

Applicant : INDIAN DRUGS & PHARMACEUTICALS LTD., a Govt. of India Undertaking, having Office at 25 Gopala Tower, Rajindra Place, New Delhi-110 008, India.

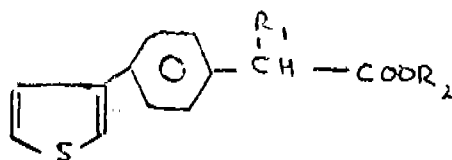
Inventors : DILBAGH RAI SHRIDHAR, CHERUKURI VENKATA REDDY SASTRY & ASHOK KUMAR MARWAH.

Application for Patent No. 749/Del/82 filed on 11th October, 1982.

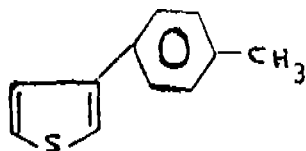
Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

**10 Claims**

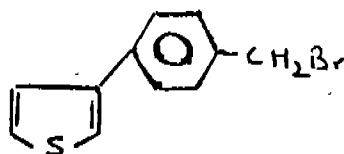
A process for the preparation of 4-(3-thienyl) phenyl-alkanoic acid derivatives including their salts of formula I



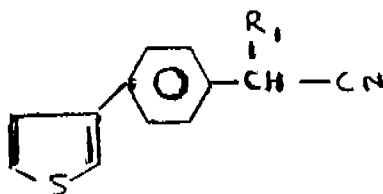
where in  $R_1$  is a lower alkyl group of 1-4 carbon atoms and  $R_2$  is lower alkyl group like "Me" or "Et" which comprises subjecting 3-p-thiophene of formula 3



to reaction with N-bromosuccinimide in a non-polar organic solvent followed by treating the resulting 4-(3-thienyl)benzyl bromide of formula 4



with KCN in a suitable organic solvent in presence or absence of an appropriate phase transfer catalyst, whereafter the thus obtained 4-(3-thienyl) phenylacetonitrile is subjected to alkylation using appropriate alkyl halide in presence of a single phase or two phase solvent system having an organic solvent in presence of a suitable catalyst to give the corresponding 4-(3-thienyl) phenylalkyl nitrile of formula 2



wherein  $R_1$  is a lower alkyl group like "Me" or "Et", thereafter hydrolysing in a manner as herein described, the said 4-(3-thienyl) phenyl-alkyl nitriles of formula 2 wherein  $R_1$  is alkyl group of 1-4 carbon atoms to give the corresponding 4-(3-thienyl) phenylalkanoic acids, whereafter the H of COOH group in the above said 4-(3-thienyl) phenylalkanoic acids is converted in a known manner to a lower alkyl group like "Me" or "Et" to obtain the corresponding esters of formula 1 wherein  $R_1$  &  $R_2$  are as defined before, the salts being prepared in a known manner.

Compl. Specn. 14 pages.

Drgs. 2 sheets.

CLASS : 127D.

159212

Int. Cl. : F16h 33/02 & 33/04.

# A DEVICE FOR CONVEYING OR TRANSMITTING ROTARY MOTION.

Applicant : JAGAT PUNJABHAI PALKHIWALA, of C-82, Karbla, New Delhi-110 003, India, an Indian national.

Inventor : JAGAT PUNJABHAI PALKHIWALA.

Application for Patent No. 781/Del/1982 filed on 25th October, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

## 15 Claims

A device for conveying or transmitting rotary motion comprising a first gear rigidly mounted on a first rotatable shaft, a second gear freely mounted on eccentric portions formed on two shafts which are parallel to the said first shaft and are adapted to be rotated at the same speed, the said eccentric portions being in phase with each other, balancing weights secured on the said two shafts for balancing them and means for rotating one of or both the said two parallel shafts.

Compl. Specn. 10 pages.

Drgs. 4 sheets

CLASS : 101 H.

159213

Int. Cl. : E02b-8/04, 7/20.

## "ENERGY-EFFICIENT" AUTOMATIC SLUICE GATE FOR SUSTAINING A FLUID LEVEL".

Applicant : ALSTHOM-ATLANTIQUE, a French company of 38, Avenue Kleber, 75794 Paris, Cedex 16, France.

Inventors : GILLES COMBES & GERMAIN DELAGE.

Application for Patent No. 856/Del/1982 filed on 23rd November, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

## 8 Claims

An energy-efficient automatic sluice gate for sustaining a fluid level, wherein said gate controls the flow of water from an upstream pool to a downstream pool and comprises :

—a closing baffle carried by a framework movable about a horizontal rotating shaft located downstream from the baffle such that rotation of said framework about said shaft controls the section of water flowing from upstream to downstream, said baffle constituting a segment of a revolving cylinder with the said rotating shaft as its axis;

—and a box member which carried by the above framework partially dips into the pool, the level of which must be maintained so that the angular position of the framework is determined by the water level therein, said box member having an opening at the bottom for the passage of water and an opening at the top for the passage of air to enable the amount of water in the box member to be varied;

—said gate comprising in addition to said upstream box member, a downstream box member, both carried by the framework, located opposite one another across from said shaft such as to be held partially immersed respectively in the upstream and downstream pools, the pools being separated by the above-mentioned baffle and both box members having openings in their tops and bottom as described;

—and pressure regulating means communicating with said openings via switching valves such that they may be caused to operate alternately in an upstream regulation mode and a downstream regulation mode, said regulating means controlling the water level in a "regulating" box member, which would be the upstream box member in the upstream regulation mode and the downstream box member in the downstream regulation mode, so as to automatically maintain the water level in a "regulated" pool or basin, being the one in which the box member dips, said switching valves allowing water and air to flow through the openings in the other box member to balance the water levels obtaining in said non-regulating box member and in the unregulated pool.

Compl. Specn. 12 pages.

Drgs. 2 sheets.

CLASS : 195 D.

159214

CLASS : 32A<sub>2</sub>.

159216

Int. Cl. : F16k-17/16, 17/40.

## "RUPTURABLE PRESSURE RELIEF APPARATUS".

Applicant : BS & B SAFETY SYSTEMS LIMITED, an Irish company of Bay G-1 Raheen Industrial Estate, Raheen Country, Limerick, Ireland.

Inventor : SAM AN OU.

Application for Patent No. 864/Del/1982 filed on 24th November, 1982.

Applicant : BS & B SAFETY SYSTEMS LIMITED, an Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

## 11 Claims

A rupturable pressure relief apparatus comprising a rupture disc to be clamped between a first annular support member for the inlet of fluid under pressure and a second annular support member for the outlet of said fluid on rupture of said disc, said rupture disc comprising an annular peripheral flange portion connected to a central concave-convex portion by means of an annular transition connection means said concave-convex portion being provided in one major surface thereof with a groove constituting a line of weakness and at least one concave-convex hinge reinforcing member attached to one major surface of said concave-convex portion, said reinforcing member lying adjacent said concave-convex portion and having a shape and contour similar to that part of said concave-convex portion against which it lies, whereby when the pressure of said fluid against said disc exceeds its rupture point, said concave-convex portion of said rupture disc tears along said line of weakness constituted by said groove and bends about an integral uniform portion corresponding with said hinge reinforcing member

Compl. Specn. 14 pages.

Drgs. 2 sheets.

CLASS : 32 E.

159215

Int. Cl. : CO8f 27/06.

## "A PROCESS FOR PREPARING THIOETHER-MODIFIED SEALANT COMPOSITIONS".

Applicant : THIOKOL CORPORATION, a corporation of the State of Delaware, of P.O. Box 1000, Newton, Pennsylvania 18940, United States of America.

Inventor : THIOKOL CORPORATION.

Application for Patent No. 883/Del/1982 filed on 29th November, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

## 15 Claims

A process for preparing a thioether-modified sealant composition comprising the steps of : providing the addition reaction product of an unsaturated polymer having terminal groups selected from the groups consisting of hydroxyl, isocyanate, carboxylic and amine groups and 5 to 30 mole percent of an alkanethiol of from 8 to 20 carbon atoms wherein said alkanethiol is added to the double bonds of the unsaturated polymeric back bone, and

curing said addition reaction product with a compound or mixture of compounds selected from the group consisting of polyisocyanates, polyols, polyepoxides and cyclic anhydrides.

Compl. Specn. 23 pages.

Int. Cl. : CO9b 5/28.

## "A PROCESS FOR PREPARING NITROTRIANTHRIMIDECARBAZOLES".

Applicant : BAYER AKTIENGESELLSCHAFT, a German company of 509, Leverkusen, Bayerwerk, West Germany.

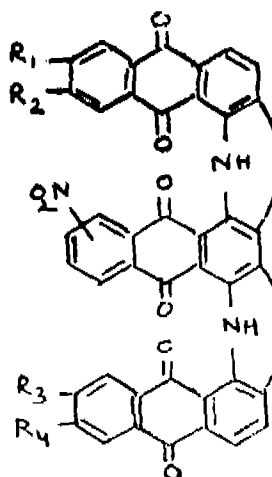
Inventors : WALTER HOHMANN AND JOSEF STA-WITZ.

Application for Patent No. 893/Del/1982 filed on 7th December, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

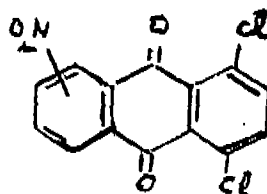
## 2 Claims

A process for preparing nitrotrianthrimecarbazoles of the formula I

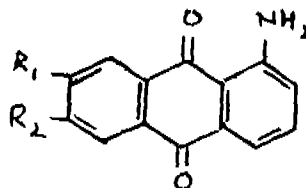


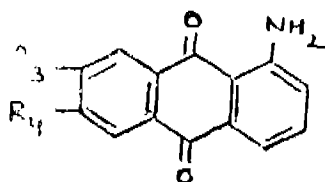
in which the NO<sub>2</sub> group is in the α or β position and R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> designate hydrogen or halogen,

such as chlorine or bromine characterised in that compounds of the formula III



are reacted with aminoanthraquinones of the formula IV(a) and IV(b).





IV (b)

of the drawings in which R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> have the meaning indicated for the formula I in an anthrimide melt, and the trianthrimides obtained are carbazolated in the presence of customary diluents.

Compl. Specn. 14 pages.

Drg. 1 sheet

CLASS : 40 B. 88D.

159217

Int. Cl. : C01b 2/00.

"A PROCESS FOR PRODUCING A HYDROGEN-CONTAINING SYNTHESIS GAS".

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC, of Imperial Chemical House, Millbank, London SW1P 3JF, England, a British company.

Inventor : MARTYN VENCENT TWIGG.

Application for Patent No. 897/Del/1982 filed on 8th December, 1982.

Convention dates 21-12-1981/8138389, 19-2-1982/8204893, 12-10-1982/8229121 (U. K.).

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 7 Claims

A process for producing a hydrogen-containing synthesis gas such as herein described by reacting at a pressure in the range 1 to 50 bar abs a hydrocarbon feedstock with steam and/or carbon dioxide at a (Steam + CO<sub>2</sub>) to carbon molar ratio in the range 1.0 to 8.0 over a catalyst at a catalyst outlet temperature in the range (600—1050°C, characterised in that the catalyst is in the form of at least one underformable hollow unit permitting through gas flows in at least two mutually transverse directions within its boundaries by way of apertures at least 1mm wide in their smallest dimension and in that each unit is made structurally of a metal or alloy constituting the catalyst primary support and carrying a coating of absorptive material constituting the catalyst secondary support in which nickel or cobalt is present to the extent of 30 to 60% w/w calculated as monoxide on the total coating or in which the active metal of the catalyst comprises at least one noble metal and at least one non-noble metal and the content of each such type of metal present is in the range 0.01 to 0.05% w/w.

Compl. Specn. 37 pages.

CLASS : 32 B & 56 B

159218

Int. Cl. : C 07 c, 3/34.

PROCESS FOR CONVERTING HYDROCARBON IN THE PRESENCE OF AN ACIDIC MULTIMETALLIC CATALYTIC COMPOSITE.

Applicant : UOP INC., A CORPORATION ORGANIZED IN THE STATE OF DELAWARE OF TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, UNITED STATES OF AMERICA.

Inventors : GEORGE JOHN ANTOS & TAI-HSIANG CHAO.

Application for Patent No. 913/Del/1982 filed on 14th December, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 19 Claims

A process for converting a hydrocarbon of the kind such as herein described which comprises contacting the hydrocarbon at hydrocarbon conversion conditions such as herein described with an acidic catalytic composite comprising a porous carrier material containing, on an elemental basis, 0.01 to about 2 wt. % platinum group metal, about 0.05 to about wt. % cobalt, about 0.01 to about 5 wt. % tin, about 0.01, to about 5 wt. % phosphorus, and about 0.1 to about 3.5 wt. % halogen.

Compl. specn. 49 pages.

Drg. 3 sheets

CLASS : 128 G & 128 K

159219

Int. Cl. : A 61 b 17/04.

A SUTURE RING FOR SECURING THE HEART VALVE TO THE TISSUES OF THE HEART.

Applicant : HEMEX, INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF LOUISIANA, UNITED STATES OF AMERICA, OF 1300 EAST ANDERSON LANE, AUSTIN, TEXAS 78752, UNITED STATES OF AMERICA.

Inventors : (1) JEROME JOHN KLAUITTER and (2) HARRY WEBB CROMIE.

Application No. 24Mas/84 filed January 16, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 11 Claims

A suture ring for securing the heart valve to the tissues of the heart; said heart valve having a valve body providing a blood flow passageway, ecluder means mounted within said valve body for opening and closing the passageway and a protrusion around with valve body having first and second and surfaces; said suture ring comprising a retainer ring having an interior surface proportioned to surround said protrusion, inwardly extending means for engaging said first and surface of the protrusion and a deformable and portion for engaging the second end surface to lock said retainer ring onto the protrusion, a fabric tube, band means for securing the ends of said fabric tube to said retainer ring so that exposed surfaces of said retainer ring when it is locked onto said protrusion are fully covered by said fabric tube, and deformable means which forms a part of said retainer ring for holding said band means in permanent position.

Compl. specn. 22 pages.

Drg. 2 sheets

CLASS : 70 B & 70 C<sub>6</sub>

159220

Int. Cl. : B 01 k 3/06, C 01 b 13/04.

ELECTRODE FOR ELECTROLYSIS AND PROCESS FOR PRODUCTION THEREOF.

Applicant : PERMELEC ELECTRODE LTD., 1159, ISHIKAWA, FUJISAWA-SHI KANAGAWA, JAPAN.

Inventors : (1) HIROSHI ASANO, (2) TAKUYUKI SHIMAMUNI, (3) KAZHIRO HIRAO & (4) RYUTA HIRAYAMA,



Application No. 49/Mas/84 filed January 30, 1984.

CLASS : 136 F

159222

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

Int. Cl. : B 22 c 3/00.

## 12 Claims

## METHOD OF MANUFACTURING A DIE-CASTING OR INJECTION MOULDING MOULD AND A MOULD SO MANUFACTURED.

Applicant &amp; Inventor : ALBAN PUTZ, OF HELLGASSE 10, 5456 RHEINBROHL, FEDERAL REPUBLIC OF GERMANY.

Application No. 81/Mas/84 filed February 7, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 14 Claims

Compl. specn. 21 pages.

Drg. No.

CLASS : 24-B

159221

Int. Cl. : B 61 h 5/00, 15/00.

## A COMPOSITION BRAKE SHOE.

Applicant : AMSTED INDUSTRIES INCORPORATED, 3700, PRUDENTIAL PLAZA, CHICAGO, IL 60601, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE.

Inventor : CHESTER DALE CHRISTIE.

Application No. 61/Mas/84 filed February 1, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 6 Claims

## A composition brake shoe comprising :

a rigid back plate having an outer convex surface and an inner concave surface;

said rigid back plate including a plurality of depressions formed within one of said surfaces in said back plate, each of the said depressions having circumferential walls and clusters of openings disposed in and communicating with each of said depressions, at least one of said clusters comprising at least three equally spaced openings extending into the side-walls of a circular depression having a circular base and side walls, and

a molded brake shoe composition including a heat curable backing pad material superposed on the other of said surfaces of said back plates:

said heat curable backing pad material flowed from around said depressions and disposed in and through each of the openings of said clusters and filling said depressions associated with each of said clusters providing ties between the opening associated with each depression and wherein each opening in said circular depression is directly tied to at least two other openings to hold said molded brake composition in face to face engagement with said back plate.

Compl. specn. 11 pages.

Drg. 1 sheet

3-17GI/87

A method of manufacturing a die-casting or injection moulding mould, the method comprising the steps of providing a primary core element having a surface corresponding in configuration to a desired moulding surface of the finished mould, coating said surface of the core element with a first aqueous solution of hydrosol, latex, acrylic resin, quartz powder and alkyl varnish and causing or allowing the first aqueous solution to dry thereby to form a water-resistant layer on said surface of the core element, coating the water-resistant layer with a second aqueous solution of glue, carbohydrate, quartz powder and metal powder and causing or allowing the second aqueous solution to dry thereby to form a water-soluble separating layer on the water-resistant layer, forming a shell defining said moulding surface at a side of the shell adjacent the separating layer by spraying molten metallic or ceramic material onto the separating layer, providing a backing body of rigid material on the shell thereby to form, with the shell, said mould and separating the core element from the mould by destruction of the separating layer.

Compl. specn. 16 pages.

Drg. 4 sheets

CLASS : 31-C

159223

Int. Cl. : H 01 c 17/00.

## ELECTRICAL RESISTOR AND METHOD OF MAKING THE SAME.

Applicant : TRW INC., OF 10880, WILSHIRE BOULEVARD, LOS ANGELES, CALIFORNIA, UNITED STATES OF AMERICA.

Inventors : (1) HOWARD EDWIN SHAPIRO, (2) KENNETH MALCOLM MERZ.

Application No. 87/Mas/84 filed February 9, 1984.

Divisional to Patent Application No. 1206/Cal/79 filed November 19, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 8 Claims

An electrical resistor comprising a ceramic substrate and a resistor material on a surface of said substrate, said resistor material comprising a film of glass and particles of tantalum nitride ( $Ta_3N_5$ ) and additive particles embedded in and dispersed throughout the glass film, said additive particles being selected from the group consisting of boron, tantalum, silicon, zirconium dioxide ( $ZrO_2$ ), and magnesium zirconate ( $MgZrO_3$ ).

Compl. specn. 21 pages;

Drg. 1 sheet

CLASS : 127 C

159224

Int. Cl. : F 16 g 5/16.

## POWER TRANSMITTING V-BELT.

Applicant : MISSUBOSHI BELTING LTD., NO. 1-21, HAMAZOEDORI 4-CHOME, NAGATA-KU, KOBE-SHI, HYOGO, JAPAN.

Inventors : (1) HIDEAKI TANAKA, (2) KUNIHIRO FUJITA.

Application No. 102/Mas/84 filed February 17, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 15 Claims

A power transmitting V-belt comprising :

a tension-resisting layer;

an upper core rubber layer overlying said tension-resisting layer and acting as an extension portion;

a truncated core rubber layer underlying said tension-resisting layer and acting as a compression portion;

a rubberized canvas sheath covering the laminated structure of said tension resisting layer, said upper core rubber layer and said truncated core rubber layer; and

a plurality of films of reinforcing canvas underlying said truncated core rubber layer and covered with said canvas sheath;

characterised by a rubber layer interposed between each adjacent pair of said reinforcing canvas films.

Compl. specn. 11 pages.

Drg. 2 sheets

CLASS : 194 B &amp; 206 H

159225

Int. Cl. : H 03 f 3/58, 3/60.

## A TRAVELLING WAVE AMPLIFYING TUBE.

Applicant : NATIONAL AERONAUTICS AND SPACE ADMINISTRATION NASA HEADQUARTERS, WASHINGTON, D.C. 20546, U.S.A., AN AGENCY OF THE UNITED STATES GOVERNMENT.

Inventor : HENRY GOTTLÖB KOSMAHL.

Application No. 103/Mas/84 filed February 17, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 10 Claims

A travelling wave amplifying tube (TWT) having a long axis, an out point, an input point and a slow wave structure (SWS) comprised of repeating structural elements disposed along said long axis at least from said input to said output, and including at least one sever between said input and said output, the improvement comprising : a structural element having its axial spacing reduced gradually at an exponential rate from a point on the SWS to said output point to define a dynamic velocity taper.

Comp. specn. 12 pages.

Drg. 3 sheets

CLASS : 127-L

159226

Int. Cl. : F 16 h 9/04, 9/24.

## METHOD FOR MANUFACTURING ELONGATED COGGED V-BELT.

Applicant : MITSUBOSHI BELTING LTD., OF NO. 1-21, HAMAZOEDORI 4-CHOME, NAGATA-KU, KOBE-SHI, HYOGO, JAPAN.

Inventors : (1) KUNIHIRO FUJITA; (2) HIDEAKI TANAKA; (3) MITSUHIRO USHIRODA.

Application No. 105/Mas/84 filed February 18, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 2 Claims

A method for manufacturing an elongated coggged V-belt characterized by a first step of winding a belt component to lowest rubber sheet in the laminated form on the outer periphery of a drum to form an endless unvulcanized belt preform comprising, arranging a mold with a flat and smooth surface on the surface of said unvulcanized belt preform and disposing another mold formed with a cog geometry at a given pitch on the underside of said unvulcanized belt preform and of progressively feeding said endless belt preform between a pair of said molds to effect press vulcanization accompanied by a cog formation, a second step of leaving the last press vulcanization zone of the belt preform when progressively fed unvulcanized, and a third step of holding said zone left unvulcanized between a mold with a flat and smooth surface on the belt surface and a mold at which is mounted an expansive and elastic matrix provided at its bottom with a cog geometry at a given pitch on the underside of the belt to thus effect press vulcanization accompanied by a cog formation, a V-belt cutting process being added after said first or third step.

Compl. specn. 16 pages.

Drg. 5 sheets

CLASS : 14 D<sub>2</sub>

159227

Int. Cl. : B 01 k 3/08.

## A PROCESS FOR THE PREPARATION OF CARBON ELECTRODE FOR OXYGEN REDUCTION.

Applicant : INDIAN INSTITUTE OF SCIENCE, BANGALORE-560 012, INDIA.

Inventors : (1) A. K. SHUKLA and (2) R. MANOHARAN.

Application No. 226/Mas/83 filed November 18, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 4 Claims

A process for the preparation of a porous carbon electrode for oxygen reduction in alkaline fuel cells which comprises subjecting coconut shell charcoal to a Soxhlet treatment with aziotropic hydrochloric acid, washing the treated charcoal, with distilled water, mechanically grinding and sieving said treated charcoal, subjecting said charcoal to the step of gas activation by heating firstly at a temperature of 100°C in a carbon dioxide atmosphere and then in ammonia at the same temperature and finally forming the electrode from the gas activated carbon by hot pressing at a pressure of approximately 0.05 ton/cm<sup>2</sup> the gas activated carbon with polyethylene.

Compl. specn. 9 pages.

Drg. 1 sheet

CLASS : 208 &amp; 191

159228

(6)

Int. Cl. : C 09 d 11/00.

**INK TRANSFER COMPOSITION AND PROCESS FOR PRODUCING THE SAME.**

Applicant & Inventor : PARVATHYA KANDASWAMI,  
1, ANNA NAGAR, III STREET, TIRUVANNAMALAI,  
606 601, TAMIL NADU.

Application No. 234/Mas/83 filed December 9, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

**18 Claims**

An ink transfer composition comprising : 4 to 10 parts by weight of hard high polymer such as herein described dissolved in a solvent such as chlorinated hydrocarbon e.g. trichloro ethylene or methylene chloride and blended with a dispersion containing 3 to 16 parts by weight of a known dye used in ink transfer composition, 3 to 10 parts by weight of fillers such as herein described, 4 to 10 parts by weight of vegetable oil or mineral oil and 1 to 5 parts by weight of fatty acid such as herein described.

A method of producing an ink transfer composition as claimed in any of the preceding claims comprising the steps of dissolving a hard high polymer such as herein described in a solvent such as chlorinated hydrocarbons e.g. trichloro ethylene or methylene chloride, blending the solution formed successively with a dispersion containing a dye, a filler such as herein described, a vegetable oil and a fatty acid.

Compl. specn. 13 pages.

Dr. Nil

**CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970**

The claim made by Ebner Industries tenbau Gesellschaft mb.H. under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 158243 in their name has been allowed.

**OPPOSITION PROCEEDINGS**

(1)

An opposition has been entered by M/s. IDL Chemicals Limited to the grant of a patent on application No. 157944 dated the 21st April, 1982 made by Santa Barbara Research Centre.

(2)

An opposition has been entered by M/s. Kirloskar Brothers Limited, Pune, on patent application No. 158185 made by Shri Narayanaswamy Naidu Duraiswamy, Coimbatore.

(3)

An opposition has been entered by Shalimar Group Private Limited to the grant of a patent on application No. 158196 made by Kingsley Corporation Private Limited.

(4)

An opposition entered by B. P. Chemicals Limited to the grant of a patent on application No. 158241 made by Union Carbide Corporation.

(5)

An opposition has been entered by M/s. Titanium Equipment and Anode Manufacturing Co. Ltd. to the grant of a Patent on application No. 158321 made by Permelec Electrode Ltd.

An opposition has been entered by National Research Development Corporation of India to the grant of a Patent on application No. 158321 made by Permelec Electrode Ltd.

**PATENTS SEALED**

151321	154811	155101	156396	156400	156833	157021
157022	157044	157046	157066	157067	157089	157090
157092	157094	157106	157108	157111	157114	157172
157326	157372	157386	157388	157389	157390	157392
157393	157394	157395	157397	157398	157399	157401
157402	157404	157405	157407	157409	157622.	

**RENEWAL FEES PAID**

138675	140913	141176	141588	141752	142127	142474
142501	142615	142820	143291	143724	143784	144408
144513	144552	144962	145675	145688	145721	145792
146011	146604	147272	147319	147350	147401	147470
147474	147556	147831	148047	148072	148102	148152
148239	148281	148379	148392	148411	148421	148423
148502	148557	148558	148636	148637	148679	148695
148731	148735	148904	149905	149089	149545	149617
149645	149736	149832	150454	150490	150571	150619
150687	150689	150726	150770	150821	150822	150929
151038	151041	151090	151094	151129	151149	151150
151152	151216	151238	151466	151559	151901	152005
152019	152053	152078	152639	152807	152928	152936
152937	153217	153378	153629	153631	153632	153633
153680	153681	153682	153688	153698	153752	153755
153760	153761	153764	153775	153788	153792	153794
153795	153796	153817	153819	153820	153860	153927
153987	154040	154155	154206	154521	154569	154650
154783	154813	154872	154873	154874	154983	155050
155051	155056	155306	155307	155308	155342	155355
155356	155357	155361	155363	155381	155382	155441
155593	155594	155612	155618	155619	155620	155631
155714	155818	155926	155969	155999	156079	156095
156108	156115	156120	156186	156209	156210	156228
156234	156254	156255	156285	156305	156310	156318
156319	156323	156349	156354	156369	156370	156371
156377	156380	156382	156392	156394	156395	156399
156406	156408	156426	156432	156433	156434	156436
156439	156440	156442	156443	156447	156452	156455
156457	156464	156469	156470	156471	156472	156473
156478	156479	156480	156481	156538	156540	156544
156574	156580	156624	156735	156736	156739	156752
156778	156784	156785	156792	156793	156815	156818
156836	156838	156843	156886	156909	156930	157027
157171.						

**RESTORATION PROCEEDINGS**

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 150966 granted to Shrinivasan Jayaraman for an invention relating to "an apparatus for locating high resistance faults in any core of a multicore underground electric power cables."

The patent ceased on the 22nd February, 1986 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 7th February, 1987.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 11th June, 1987 under Rule 69 of the Patents

Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 141975 granted to Pravinchandra Chhaganlal Mehta for an invention relating to "improved water filter".

The patent ceased on the 13th December, 1985 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 7th February, 1987.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 11th June, 1987 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 154923 granted to Bhalachand Damodar Kelkar and Madhukar Ramchandra Deodhar for an invention relating to "an animal drawn vehicle".

The patent ceased on the 7th July, 1986 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 7th February, 1987.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 11th June, 1987 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 154080 granted to Dunlop Limited for an invention relating to "integrally moulded shuttle cock skirt and shuttlecock having such a skirt".

The patent ceased on the 1st May, 1986 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 7th February, 1987.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 11th June, 1987 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 157322. Khusro Kazerooni Zader, Indian Resident, whose address is 8-2-601/A, Road No. 10, Banjara Hills, Hyderabad-500 034, (Andhra Pradesh State), India. "CAM". 7th August, 1986.

Class 1. No. 157405. Gem India Limited, an Indian Company, 2/90-Connaught Circus, New Delhi-110 001, India. "Gas Lighter". 2nd September, 1986.

Class 1. No. 157416. Khusro Kazerooni Zadeh, Indian Resident, whose address is 8-2-601/A, Road No. 10, Banjara Hills, Hyderabad-500 034, (A. P. State), India. "Loom Cam". 5th September, 1986.

Class 1. No. 157417. Khusro Kazerooni Zadeh, Indian Resident, whose address is 8-2-601/A, Road No. 10, Banjara Hills, Hyderabad-500 034, (A. P. State), India. "Heel Frame Oscillator of Loom". 5th September, 1986.

Class 1. No. 157520. Prinzy Industries, 935-C, Baba Farid Puri, West Patel Nagar, New Delhi-110 008, India, a Proprietary Firm. "Heat Convector". 8th October, 1986.

Class 1. No. 157681. Rikhab Enterprises, of 41 Ekam-bareswarar Agharam, 1st Floor, Madras-600 003, Tamil Nadu, India, a registered Partnership firm. "a Bowl". 19th November, 1986.

Class 3. Nos. 157497, 157498. Aristocrate Plastic Pioneers, B-70/45, D.S.I.D.C., Complex, Lawrence Road, Delhi-110 035, India. (registered Partnership firm). "Self Inking Rubber Stamp".

Class 3. Nos. 157545, 157546. Om Industries, Room No. 3, 5th Floor, Prospect Chambers, Dr. D. N. Road, Fort, Bombay-400 001, State of Maharashtra, India. "An Electric Switch". 14th August, 1986.

Class 3. No. 157743. Dhanvantari Ayurved Bhavan, a registered Indian Partnership Firm, registered under the Indian Partnership Act, 1932, having office at C-1, 303, G.I.D.C. Estate, Vithal Udyog-nagar-388 121 (via : Anand) Gujarat, India. "Bottle". 4th December, 1986.

Class 3. No. 157548. Byrne & Davidson Doors (N.S.W.) PTY Limited a Company incorporated under the laws of the State of New South Wales, Commonwealth of Australia, of 34-36 Marigold Street, Revesby, New South Wales, 2212, Australia. "a Lamp Housing". Reciprocity 15th April, 1986. (Australia).

Class 3. No. 157549. Byrne & Davidson Doors (N.S.W.) PTY. Limited, a Company incorporated under the laws of the State of New South Wales, Commonwealth of Australia, of 34-36 Marigold Street, Revesby, New South Wales, 2212, Australia. a "Drive Unit For Rolling Door". Reciprocity 15th April, 1986. (Australia).

Class 3. No. 157620. Peico Electronics and Electricals Limited, of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-18 (WB), Maharashtra State, India, an Indian Company. "a Portable Radio". 31st October, 1986.

Class 3. No. 157621. Peico Electronics and Electricals Limited, of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-18 (WB), Maharashtra State, India, an Indian Company. a "Portable Radio". 4th November, 1986.

Class 3. No. 157623. SRF Nippondenso Limited, an Indian Company of 42, Community Centre, New Friends Colony, New Delhi-110 065, India. "Brush Holder for use in a starter motor". 4th November, 1986.

Class 3. No. 157647. S. P. Industries, 12 Ganesh Chandra Avenue, Calcutta-700 013, West Bengal, India, an Indian Partnership Firm. "DOT PEN". 7th November, 1986.

Class 3. No. 157651. Telemart Communications Corporation, of 4158 148th Avenue N. E. Redmond, Washington-98052, United States of America. a "Telephone Cradle Keystrip". 11th November, 1986.

Class 3. No. 157656. Paman Products Private Limited, a company incorporated under the Companies Act having its registered office at 205-A, Hiren Industries Estate, Mogul Lane, Mahim, Bombay-400 016, Maharashtra, India, "Radio". 12th November, 1986.

Class 3. No. 157665. M. K. Electric Limited a British Company, of Shrubbery Road, Edmonton, London N9 OPB, England. "an Electrical Socket Adaptor". Reciprocity 25th June, 1986 (U.K.).

Class 3. No. 157666. Prag Ice & Oil Mills, Ramghat Road, Aligarh-202001, Uttar Pradesh, India, an Indian Partnership Firm. "Container". 17th November, 1986.

Class 3. No. 157698. Sethi Writing Instruments Private Limited, 72 Canning Street, Room No. 73 (1st Floor), Calcutta-700 001, West Bengal, India, an Indian Company. "Ball Pen". 25th November, 1986.

Class 3. Nos. 157699, 157700. Interlego A/S., a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. a "Toy Telephone". 26th November, 1986.

Class 3. No. 157703. Interlego A/S., a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. a "Toy Building Element". 26th November, 1986.

Class 4. No. 157652. Sylsands Securities (Proprietary) Limited, a company registered according to the laws of the Republic of South Africa, of 110

Industrial Road, Pretoria West, Republic of South Africa. "a Construction Block". 12th November, 1986.

Class 4. No. 157858. Dhamija Trading Company, 2/21 A, Vijaynagar, Double Storey, Delhi-110 009, India, a Proprietorship firm. "Bottle". 12th January, 1987.

Class 5. No. 157691. GTC Industries Limited, (a Company incorporated under the Provisions of Indian Companies Act) at Tobacco House, Vileparle, Bombay-400 056, State of Maharashtra, India. "Cigarette Packet". 20th November, 1986.

Class 10. No. 157769. Bajaj Departmental Stores Private Limited, 589-Artoni, Agra-282 007, Uttar Pradesh, India, and P-35-South Extension, New Delhi-110 049, India, An Indian Company. "Sole of Footwear". 12th December, 1986.

*Extn. of Copyright for the Second period of five years.*

No. 145054. Class-1.

Nos. 157020, 157132, 154572, 155169, 157134 Class-3.

Nos. 150697, 150699, 150699, 150835, 151242. class -4.

No. 156501. Class-5.

*Extn. of Copyright for the Third period of five years*

Nos. 144796, 144797, 144981, 144850. Class-1.

Nos. 157020, 157132, 154572, 155169, 157134, 145055, 144533, 144534, 144851. Class-3.

Nos. 156501, 144759, 144758. Class-5.

R. A. ACHARYA  
Controller General of Patents, Designs  
and Trade Marks.

